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SEES USE OF ALL FISH WASTE IN THE FUTURE

(Special to the Times).

Washington, August 7.—The annual world production of fish alone amounts to about 23,000,000,000 pounds, with the United States supplying about 10 per cent of this total, the tariff commission announces in its tariff survey on fishery products just completed.

Norway and the British Isles supply about the same proportion as the United States, while Japan supplies about four times as much and Russia twice as much. Trade in fish, the report indicates, is governed in large measure by geographical abundance or scarcity of fish and the available supply of other meats.

Much Waste.

For example, in this country fishermen are obliged to throw overboard many kinds of fish because there is no market for them, while about one-quarter landed is not used for edible purposes but converted into oil, meal and fertilizer. In Japan, on the other hand, where there is a shortage of meat, marine products are used to a much larger degree.

There are 78,000 vessels employed in the U. S. fisheries, half of which are power vessels. The fishermen employed total 124,000 and the workers employed in coastal fish factories number 86,000. The total invest-

ment amounts to about \$300,000,000.

A Prophecy.

The tariff commission, prophesies following its thorough investigation of this industry, ventures a prophecy concerning the future development of the industry in this country. Over a long period the tendency will be:

- (1) To bring ashore certain varieties of marine products now thrown overboard as worthless;
- (2) To establish more floating factories for freezing and canning food products and for reduction of waste;
- (3) To distribute fresh fish in the form of fillets or similar products, leaving the waste to be rendered at the fishing port;
- (4) To freeze fresh fish by improved methods, thereby effecting wider distribution and tending to stabilize fresh fish prices;
- (5) To produce more salted, smoked, and canned fish.
- (6) To improve the appearance of certain so-called staple canned fish now packed on a mass-production scale;
- (7) To enlarge the areas devoted to private culture of fish;
- (8) To increase the utilization of marine plants;
- (9) To divert fish meal and shellfish meal from the fertilized market to the animal and poultry feed market;
- (10) To divert fish body oil from industrial to medicinal oil market.

SWORDERS GOING TO CAPE SHORE

Owing to the light catches of swordfish that are being made on Georges some of the fleet are figuring on going to the Cape Shore on their next trips. Total receipts at Boston to date have 4482 fish as compared with 6668 fish to the corresponding date last year. Fish have sold from 8 to 13 cents per pound for "pups" and 13 cents for large.

N. S. FISH NOTES

Bait Report.

Canso—About fifty barrels squid and some mackerel and herring available. No vessels in port.

Halifax—Twenty thousand pounds frozen herring available.

Liverpool—Plenty fresh and frozen herring and ice available.

Lockport—Plenty fresh and frozen herring available.

Lunenburg—Plenty bait and ice available. Schooner Marshall Frank arrived in port.

North Sydney—No bait. Ice available.

Port Hawkesbury No bait. Ice available.

Port Hood—Four thousand pounds frozen herring available.

Queensport—About one hundred barrels squid in traps. Twenty-five thousand pounds frozen herring and fifteen thousand pounds frozen mackerel available. Schooners Daisy Marguerite and Isabelle Spindler baited and sailing for banks today.

Shelburne—Plenty mackerel and fresh and and fresh frozen herring at Shelburne.

Yarmouth—Plenty fresh and frozen bait and ice available.

From Banks.

Sch. Madeline S., Capt. H. Stevens, was at Halifax Friday from the fishing grounds and docked at the Imperial Oil wharf. She cleared later for Chester.

N. F. Codfish

The Oporto market continues in bad shape, owing to heavy stocks on hand and on the way, and it is not likely that there will be any improvement unless shipments are better regulated, so as not to glut the market with supplies. Consumption in Brazil continues satisfactory, and Greece is looked to to take an increased quantity of Labrador this season. The Codfish Exportation Commission is getting down to business, and are insisting on all fish being graded by licensed cullers. Exporters of codfish, also, must be licensed by the commission before they can get a clearance, so that some improvement in quality should be shown in shipments this year. The catch of shore fish has been exceptionally good in some places, while others are a blank. The quality of the fish that has been made is good and above last year's standard. On the Labrador the catch is fair, and weather conditions have been ideal for handling it.—St. John's, N. F., Herald, and Trade Review.

FRESH FISH IN GOOD SUPPLY

Groundfish were in good supply at the Boston fish pier last week. For the week ending August 4 there were 112 arrivals with 4,657,700 pounds as compared with 91 arrivals and receipts of 4,248,880 pounds in the same week of 1932.

Receipts for the week were divided as follows:

1933—2,051,700 pounds of haddock; 605,400 pounds of large cod; 1,005,700 pounds of market cod; 995,900 pounds of mixed fish.

1932—1,792,100 pounds of haddock; 618,800 pounds of large cod; 984,200 pounds of market cod; 855,700 pounds of mixed fish.

From January 1 to date there have been 3325 arrivals with 125,712,000 pounds of fresh fish as compared with 3062 arrivals with 120,384,457 pounds in the same period of 1932.

The amount of haddock fillets in cold storages of the United States on August 1, 1933, amounted to 3,039,852 pounds as compared with 3,484,618 pounds on the same date in 1932.

Portland, Me., Fish News.

The Gloucester schooner Oretta F. Spinney, Capt. Carl Olsen, arrived at Portland, Monday, after a 10-day trip to Georges with only 12,000 pounds of halibut, 6000 pounds of salt and fresh cod and two swordfish. Capt. Olsen reported that the high run of tides on the full moon made halibut catching practically impossible.

Three draggers with 35,000 pounds of groundfish and two vessels with 14,000 pounds of mackerel were the only other arrivals reported Monday. Of the draggers, the Helen Mae of Rockland was high-liner with 15,000 pounds, while the Alice and May of Nantucket had 12,000 pounds and the Nancy of Portland 8000 pounds. The schooner Annie Louise ended her first seining trip with 6000 pounds of mackerel and the Phyllis L. took out 8000 pounds.

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GOOD RECEIPTS AT THIS PORT

SCH. ELMER E. GRAY FROM
MAGDALENS HAS 200,000
SALT COD.

Over 300,000 pounds of fresh and salt fish was landed in this port since yesterday, of which 270,000 pounds came aboard the sch. Elmer E. Gray from the Magdalens, being salt cod, consigned to the Gorton branch of Gorton-Pew Fisheries, while for the Cold Storage branch of the same concern, 22,000 pounds of fresh cod was brought overland from Boston. Seven small trawlers had 7300 pounds of groundfish, while one seiner landed 3000 pounds of mackerel, while Oman's trap had 2000 pounds of mackerel.

The British boat of C. A. Roland is discharging its cargo of 200,000 pounds of salt cod from the Magdalens at the Pew wharf, today.

Gloucester Arrivals and Receipts

The arrivals and fares in detail:
Elmer E. Gray, Magdalen Islands, 270,000 lbs. salt cod.
Little Paolina, seining, 3000 lbs. mackerel.
Florence and John, trawling, 2000 lbs. haddock and cod.
Helena, trawling, 1500 lbs. haddock and cod.
Elcano, trawling, 1500 lbs. haddock and cod.

Helen L., trawling, 1000 lbs. hake.
C4261, trawling, 500 lbs. haddock, cod and hake.
"Y," trawling, 400 lbs. cod, haddock and hake.

C6696, trawling, 400 lbs. hake, haddock and cod.
Overland, via Boston, 13,000 lbs. market cod, 9000 lbs. small cod.
Oman's trap, 2000 lbs. mackerel

Sailed

Alden, seining.
Orion, seining.
Thelma, seining.
Alice and Mildred, seining.
Rose and Lucy, seining.
Nyoda, seining.
Joanna, seining.
Leretha, dragging.
Laura Goulart, haddocking.
Doris F. Amero, swordfishing.
Mildred Silva, swordfishing.

PORT OF GLOUCESTER

Arrived.

Motor yacht Mascotte, via New London, Conn.
Sch. Tanager, via Staten Island.

Sailed

Sch. Tanager, Staten Island.
U. S. S. destroyer Fairfax, Fort and bay, New York.
U. S. S. destroyer Bernadou, Fort and bay, New York.

TIMES FISH MARKET.

Salt Fish.

Large salt trawl cod, \$2.50 per cwt.; medium, \$1.50.
Large cusk, \$1.50; medium, \$1.
Hake, \$1.
Fish not gilled, large cod, 20 cents; medium cod, 15 cents less.

Splitting Prices.

Large fresh cod, \$1.50 per cwt.; medium, \$1; snappers, 50 cents.
Haddock, 50 cents.
Hake, 60 cents.
Pollock, 50 cents.
Large cusk, 75 cents; medium, 50 cents.

RECEIPTS ARE SMALLER TODAY

ONLY 30 AT BOSTON PIER—FIVE
HAVE 60,000 LBS.
MACKEREL

Receipts at the Boston fish pier this morning totalled 602,000 pounds of groundfish, 60,000 pounds of fresh mackerel and 121,000 pounds of mixed fish. There were no swordfish arrivals. Prices were a little higher. Overland receipts yesterday included 16 swordfish, 150 barrels and 75 kegs of mackerel. A trip of sea scallops was brought in yesterday, sch. Friendship arriving from Georges with 435 gallons of the scallops.

Boston Arrivals and Receipts

The arrivals and fares in detail:
John A. Cooney, 33 swordfish.
Jackie B., 19,000 mackerel.
Dacia, 12,000 mackerel.
Roma II., 7000 mackerel.
Angie and Vence, 18,000 mackerel.
Inca, 4300 mackerel.
Str. Flow, 58,000 haddock, 38,000 hake, 22,000 mixed fish.
Andover, 11,000 haddock, 9500 cod, 9500 mixed fish.
Milton, 13,000 haddock, 2000 cod, 9000 mixed fish.
Marjorie Parker, 26,000 haddock, 10,000 cod, 1600 mixed fish.
Lark, 37,000 haddock, 42,000 cod, 3700 mixed fish.
Rhodora, 22,000 haddock, 46,000 cod, Sadie M. Nunan, 32,000 haddock, 23,000 cod, 1000 pollock.
Corinthian, 14,000 haddock, 24,000 cod, 4500 mixed fish.
Catherine Burke, 18,000 haddock, 33,000 cod, 9000 mixed fish.
Ingomar, 32,000 cod.
Teazer, 37,000 cod, 1500 pollock.
Str. Quincy, 30,000 haddock, 42,000 cod, 17,000 mixed fish.
Evangeline D., 6000 mixed fish.
Eddie and Lulu M., 5500 mixed fish.
Charles M. Fauci III, 3000 mixed fish.

Joseph D'Ambrosio, 5500 mixed fish.
Josie, 3000 mixed fish.
Fred Henry, 1500 mixed fish.
Rosie P., 8000 mixed fish.
Laurence Scola, 10,000 mixed fish.
Maria D. S., 800 mixed fish.
St. Joseph, 3000 mixed fish.
Antonina, 2000 mixed fish.
Francesca, 1200 mixed fish.

Haddock, \$3 to \$4 per cwt.; large cod, \$3; market cod, \$1.75; hake, \$1.50; pollock, \$1.50; cusk, \$1.50; gray sole, 3 cents per lb; lemon sole, 3½ cents; black backs, 3 cents; yellow tails, 1½ cents; large mackerel, 4 cents to 4½ cents; small mackerel, 2½ cents; swordfish, 11 cents to 14½ cents.

RECEIPTS LIGHT AT THIS PORT

CRAFT FROM HUB BROUGHT
LARGEST FARE—TWO LOTS
OF MACKEREL.

Fresh fish arrivals here were light up to noon, the landings being only 33,000 pounds, of which 20,000 pounds included a variety of groundfish brought by the haddock Catherine Burke from Boston yesterday afternoon for the Pew branch of Gorton-Pew Fisheries, for splitting and canning.

The dragger Eva Clark had 5000 pounds of gray sole for Murray & Tarr at the Port, while at the Producers' Fish company, the little Paolina took out 4000 pounds of seined mackerel. The Cape Ann Cold Storage had 4000 pounds of large mackerel landed from Peterson's trap, also at the latter establishment, the haddock Gossoon dropped in to get bait for another trip.

Gloucester Arrivals and Receipts.

The arrivals and fares in detail:
Catherine Burke, via Boston, 20,000 lbs. large cod, haddock and hake.
Eva Clark, dragging, 5000 lbs. grey sole.
Little Paolina, seining, 4000 lbs. mackerel.
Peterson's trap, 4000 lbs. large mackerel.

Gossoon, via Boston, for bait.
John A. Cooney, via Boston.
Pilgrim, via Boston.
Angie and Vence, via Boston.
Jackie B., via Boston.
Theresa and Dan, via Boston.
Francis J. Manta, via Boston.

PORT OF GLOUCESTER

Arrived.

Tug Luna, via Boston, towing sch. Francis J. Manta, via Boston.

Sailed.

Three Sisters, seining.
Old Glory, seining.
Naomi Bruce III, seining.

It was pointed out that although haddock is the only species to which this specific test may be applied, it is believed the theory of the electrometric method may be the foundation for other tests which may be used to determine the relative freshness of other fishes.—Fishing Gazette.

RUSHED TO PORT

WITH SEVERED ARTERY

Thorston Thordason of Saratoga street, East Boston, a member of the crew of the beam trawler Dorchester, arrived in Boston yesterday aboard the Coast Guard destroyer Herndon from Georges where he was taken from the trawler Monday with a severed artery in his left arm. After Thordason was injured the Dorchester radioed for assistance and the Herndon responded from a position 140 miles distant. Thordason was taken to the Chelsea Marine hospital where physicians said he would recover.

Portland, Me., Fish News.

With 135,000 pounds of groundfish for Burnham & Morrill Company, the Diesel trawler Boston College of the O'Hara fleet, put in Portland, Me., Tuesday morning from the northern edge of Georges and docked at the East Deering plant for discharge. She sailed Tuesday afternoon for Boston to fit out for another trip.

The only other groundfish fare reported Tuesday was 2000 pounds from the Onward III. The schooner Annie Louise, recently fitted out for seining, landed 25,000 pounds of mackerel at the Portland Fish Company plant.

FAIR SUPPLY AT BOSTON TODAY

FEW SWORDFISH AND MACKEREL IN DAY'S RECIPES—MARKET ABOUT SAME.

A fleet of 33 craft arrived at the Boston fish pier today with swordfish, mackerel, groundfish and mixed fish. Total receipts were 565,000 pounds of groundfish, 270 swordfish, 71,000 pounds of mackerel, and 160,000 pounds of mixed fish. Prices were at about the same level as yesterday. Consignments of swordfish were also received by the Yarmouth and St. John steamers, combined shipments totalling 90 fish.

Boston Arrivals and Receipts.

The arrivals and fares in detail:
Evalina M. Goulart, 74 swordfish.
Alpar, 74 swordfish.
Huntington Sanford, 36 swordfish.
Marie and Winnifred, 86 swordfish.
Three Sisters, 6000 mackerel.
Inca, 10,000 mackerel.
Sarah M., 1500 mackerel.
Grace A., 19,000 mackerel.
Lena W., 1000 mackerel.
Maria Concetta, 7000 mackerel.
Naomi Bruce III, 10,000 mackerel.
Annie and Josephine, 4000 mackerel.

Bethulia, 10,000 mackerel.
Bobby and Jean, 3000 mackerel.
Str. Billow, 66,000 haddock, 10,000 cod, 30,000 mixed fish.
Str. Cormorant, 35,000 haddock, 32,000 cod, 22,000 mixed fish.
Str. Illinois, 51,000 haddock, 35,000 cod, 16,000 mixed fish.
Str. Amherst, 30,000 haddock, 34,000 cod, 30,000 mixed fish.
Mary P. Goulart, 34,000 haddock, 24,000 cod, 6000 mixed fish.
Shamrock, 40,000 haddock, 19,000 cod.
Ellen T. Marshall, 30,000 haddock, 24,000 cod.
Mary DeCosta, 1000 haddock, 28,000 cod, 2000 mixed fish.
Arthur and Matthew, 3500 haddock, 2400 cod.

Lockeport Fishing News.

Sch. Francis Roue with 12,000 pounds salt cod, 11,000 pounds halibut and 11 swordfish, sold to Lockeport Company, and sailed Friday.
Sch. Shirley B. Corkum with 32,000 pounds halibut, 18,000 pounds salt cod and 8 swordfish, sold to Lockeport Company, and sailed Friday.
Dogfish are very troublesome.

Still More Herring.

Shelburne Fisheries, Ltd., have been buying from 350 to 400 bushels of herring a morning lately.
Friday morning Manus Goodick was high line with 60 bushels.

Takes Bait.

American fishing schooner Imperator called at Shelburne, N. S., Thursday, and purchased 300 bushels of fresh herring from the netters.

Shag Harbor Fishing.

A few Shag Harbor boats have been fishing and find fish quite plenty when using clam bait as clams do not seem to appeal to the palate of the dogfish. A few herring and some small mackerel are being caught. One boat had for its day's catch 1400 pounds.

The C. G. S. Arleux was in the Sound and went up to Woods Harbor.